

## CLAIMS

What is claimed:

1. An apparatus for a serial ventilation device comprising:
  - a casing;
  - a first ventilator, mounted on an air intake opening side of the casing, having at least one blade with a front surface facing the air intake opening side; and
  - a second ventilator, mounted on an air exhaust opening side of the casing, having at least one blade with a front surface facing the air exhaust opening side,wherein the first ventilator performs ventilation from a rear surface of the at least one blade, and the second ventilator performs ventilation from the front surface of the at least one blade.
2. The apparatus according to claim 1, wherein the first and second ventilators each further comprise:
  - a rotation shaft, around which the at least one blade rotates, and
  - further wherein the rotation shaft of each of the first and second ventilators are positioned axially in the same line.
3. The apparatus according to claim 1, further comprising:
  - at least one rib attached to the casing;
  - a motor base fixed to the at least one rib;
  - a bearing support, having a tubular shape and anchored to the motor base;
  - at least one bearing supported by the bearing support; and

a rotation shaft supported by an inner circumference of the at least one bearing.

4. The apparatus according to claim 1, further comprising:  
an impeller, on which the at least one blade is affixed; and  
a rotation shaft, to which the impeller is coupled so as to be able to rotate.
5. The apparatus according to claim 1, wherein the at least one blade of each of the first and second ventilators rotates in the same direction.
6. An apparatus for a serial ventilation device comprising:  
a first ventilator having at least one blade;  
a second ventilator having at least one blade fewer than the first ventilator,  
  
wherein the first and second ventilator are attached to one another in series such that they ventilate air along the same line in the same direction.
7. The apparatus according to claim 6, wherein a front side of the at least one blade of the first ventilator faces in an opposite direction from a front side of the at least one blade of the second ventilator.
8. The apparatus according to claim 6, wherein the first ventilator is positioned on an air intake opening side of the casing, and the second ventilator is positioned on an air exhaust opening side of the casing.
9. The apparatus according to claim 6, wherein the first and second ventilators each further comprise:

a rotation shaft, around which the at least one blade rotates.

10. The apparatus according to claim 6, further comprising:  
a casing in which the first and second ventilators are housed.

11. The apparatus according to claim 10, further comprising:  
at least one rib attached to the casing;  
a motor base fixed to the at least one rib;  
a bearing support, having a tubular shape and anchored to the motor  
base;  
at least one bearing supported by the bearing support; and  
a rotation shaft supported by an inner circumference of the at least one  
bearing.

12. The apparatus according to claim 6, further comprising:  
an impeller, on which the at least one blade is affixed; and  
a rotation shaft, to which the impeller is coupled so as to be able to  
rotate.

13. The apparatus according to claim 6, wherein the at least one blade of  
each of the first and second ventilators rotates in the same direction.